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accordingly in essence were cancelled. In particular, claims 28, 30 and 32 were each amended so as to depend from allowable claim 1. Claims 31 and 33 already depended from claims 30 and 32, respectively. Applicant's intention was to acquiesce in the few claim rejections based on prior art.

The new independent claims 34 and 35, as noted above, are patterned after claim 1, and are directed to embodiments where there is only an upstream mass concentration sensor (with a known volumetric flow rate) (claim 34), or where there is only a downstream mass concentration sensor (again with a known volumetric flow rate) (claim 35).

Claims 34 and 35 are copied below, with the specific claim language and limitations not disclosed or made obvious by the previously applied art identified by underlining:

34. A system for delivery and deposition of aerosolized masses, comprising:
an aerosol generator;
an upstream electro-optical mass concentration sensor, and a source of gas flow for transporting aerosols past said upstream electro-optical mass concentration sensor at a known upstream volumetric flow rate;

a deposition zone for collecting aerosols on or within a media;
a controller connected to said upstream mass concentration sensor and determining the mass of aerosols delivered to said deposition zone by integrating over time the product of mass concentration measured by said upstream electro-optical sensor and the known upstream volumetric flow rate.

35. A system for delivery and deposition of aerosolized masses, comprising:
an aerosol generator;
a source of gas flow for transporting aerosols;

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a deposition zone for collecting aerosols on or within a media;

a downstream electro-optical mass concentration sensor for measuring the mass concentration of aerosols uncollected in said deposition zone, and a conduit for transporting uncollected aerosols past said downstream electro-optical mass concentration sensor at a known downstream volumetric flow rate; and

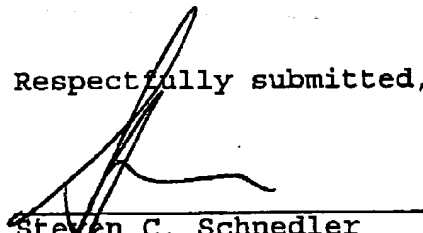
a controller connected to said downstream mass concentration sensor and determining the mass of aerosols not collected within said deposition zone by integrating over time the product of mass concentration measured by said downstream electro-optical sensor and the known downstream volumetric flow rate.

There is no disclosure in the prior art of record of the combinations claimed including the underlined limitations, just as there is no such disclosure of corresponding limitations in claim 1 already indicated as allowable.

Conclusion

Reconsideration and allowance are again requested. Claims 1-14, 23, 29, 31 and 33-35 are in the case, and should all be allowable.

Respectfully submitted,



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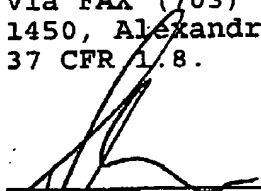
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APRIL 30, 2004
Date

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